Qing-Guo Wang

List of Publications by Citations

222 papers	8,492 citations	48 h-index	86 g-index
237 ext. papers	10,470 ext. citations	4.2 avg, IF	6.4 L-index

#	Paper	IF	Citations
222	Delay-range-dependent stability for systems with time-varying delay. *Automatica*, **2007**, 43, 371-376	5.7	663
221	Further Improvement of Free-Weighting Matrices Technique for Systems With Time-Varying Delay. *IEEE Transactions on Automatic Control*, **2007**, 52, 293-299	5.9	517
220	An extended reciprocally convex matrix inequality for stability analysis of systems with time-varying delay. *Automatica*, **2017**, 85, 481-485	5.7	225
219	Nonfragile Distributed Filtering for TS Fuzzy Systems in Sensor Networks. *IEEE Transactions on Fuzzy Systems*, **2015**, 23, 1883-1890	8.3	213
218	Analysis and synthesis of networked control systems: A survey of recent advances and challenges. *ISA Transactions*, **2017**, 66, 376-392	5.5	210
217	A less conservative robust stability test for linear uncertain time-delay systems. *IEEE Transactions on Automatic Control*, **2006**, 51, 87-91	5.9	184
216	Auto-tuning of multivariable PID controllers from decentralized relay feedback. *Automatica*, **1997**, 33, 319-330	5.7	179
215	Robust PID controller design via LMI approach. *Journal of Process Control*, **2002**, 12, 3-13	3.9	178
214	Augmented Lyapunov functional and delay-dependent stability criteria for neutral systems. *International Journal of Robust and Nonlinear Control*, **2005**, 15, 923-933	3.6	175
213	On the design of multivariable PID controllers via LMI approach. *Automatica*, **2002**, 38, 517-526	5.7	171
212	PID tuning for improved performance. *IEEE Transactions on Control Systems Technology*, **1999**, 7, 457-465	4.8	169
211	Delay-dependent state estimation for delayed neural networks. *IEEE Transactions on Neural Networks*, **2006**, 17, 1077-81		158
210	Stability Analysis of Discrete-Time Neural Networks With Time-Varying Delay via an Extended Reciprocally Convex Matrix Inequality. *IEEE Transactions on Cybernetics*, **2017**, 47, 3040-3049	10.2	144
209	Robust identification of continuous systems with dead-time from step responses. *Automatica*, **2001**, 37, 377-390	5.7	130
208	A tutorial review on process identification from step or relay feedback test. *Journal of Process Control*, **2013**, 23, 1597-1623	3.9	126
207	Delay-dependent LMI conditions for stability and stabilization of TS fuzzy systems with bounded time-delay. *Fuzzy Sets and Systems*, **2006**, 157, 1229-1247	3.7	124
206	Distributed Filtering for Switched Linear Systems With Sensor Networks in Presence of Packet Dropouts and Quantization. *IEEE Transactions on Circuits and Systems I: Regular Papers*, **2017**, 64, 2783-2796	3.9	112

205	Distributed H_infty Output-Feedback Control for Consensus of Heterogeneous Linear Multiagent Systems With Aperiodic Sampled-Data Communications. *IEEE Transactions on Industrial Electronics*, **2018**, 65, 4145-4155	8.9	108
204	Decoupling internal model control for multivariable systems with multiple time delays. *Chemical Engineering Science*, **2002**, 57, 115-124	4.4	107
203	H_{infty} Filter Design for Nonlinear Systems With Time-Delay Through T–S Fuzzy Model Approach. *IEEE Transactions on Fuzzy Systems*, **2008**, 16, 739-746	8.3	103
202	. *IEEE Transactions on Fuzzy Systems*, **2006**, 14, 542-551	8.3	102
201	Robust identification of first-order plus dead-time model from step response. *Control Engineering Practice*, **1999**, 7, 71-77	3.9	102
200	Advanced controller auto-tuning and its application in HVAC systems. *Control Engineering Practice*, **2000**, 8, 633-644	3.9	99
199	Auto-tuning of TITO decoupling controllers from step tests. *ISA Transactions*, **2000**, 39, 407-18	5.5	98
198	LMI-based stability criteria for neural networks with multiple time-varying delays. *Physica D: Nonlinear Phenomena*, **2005**, 212, 126-136	3.3	95
197	. *IEEE Transactions on Fuzzy Systems*, **2005**, 13, 787-798	8.3	94
196	Single-loop controller design via IMC principles. *Automatica*, **2001**, 37, 2041-2048	5.7	90
195	Improvement on observer-based . *Automatica*, **2005**, 41, 1651-1656	5.7	88
194	A double two-degree-of-freedom control scheme for improved control of unstable delay processes. *Journal of Process Control*, **2005**, 15, 605-614	3.9	85
193	Low-Order Modeling from Relay Feedback. *Industrial & Engineering Chemistry Research*, **1997**, 36, 375-381	3.9	80
192	PI/PID controller tuning via LQR approach. *Chemical Engineering Science*, **2000**, 55, 2429-2439	4.4	80
191	Asynchronous State Estimation for Discrete-Time Switched Complex Networks With Communication Constraints. *IEEE Transactions on Neural Networks and Learning Systems*, **2018**, 29, 1732-1746	10.2	79
190	Observer-based . *Automatica*, **2008**, 44, 868-874	5.7	79
189	Bounded synchronization of a heterogeneous complex switched network. *Automatica*, **2015**, 56, 19-24	5.7	78
188	An improvement on multivariable PID controller design via iterative LMI approach. *Automatica*, **2004**, 40, 519-525	5.7	77

187	Fuzzy-Model-Based Fault Detection for a Class of Nonlinear Systems With Networked Measurements. *IEEE Transactions on Instrumentation and Measurement*, **2013**, 62, 3148-3159	5.2	76
186	PI Tuning in Terms of Gain and Phase Margins. *Automatica*, **1998**, 34, 1145-1149	5.7	72
185	Direct identification of continuous time delay systems from step responses. *Journal of Process Control*, **2001**, 11, 531-542	3.9	72
184	Robust normalization and stabilization of Uncertain Descriptor systems with norm-Bounded Perturbations. *IEEE Transactions on Automatic Control*, **2005**, 50, 515-520	5.9	69
183	Global robust stability for delayed neural networks with polytopic type uncertainties. *Chaos, Solitons and Fractals*, **2005**, 26, 1349-1354	9.3	67
182	IMC-Based Control System Design for Unstable Processes. *Industrial & Engineering Chemistry Research*, **2002**, 41, 4288-4294	3.9	64
181	Adaptive robust control of uncertain time delay systems. *Automatica*, **2005**, 41, 1375-1383	5.7	63
180	H_∞ Filtering for Networked Systems With Multiple Time-Varying Transmissions and Random Packet Dropouts. *IEEE Transactions on Industrial Informatics*, **2013**, 9, 1705-1716	11.9	62
179	. *IEEE Transactions on Fuzzy Systems*, **2008**, 16, 534-543	8.3	62
178	Output tracking control of MIMO fuzzy nonlinear systems using variable structure control approach. *IEEE Transactions on Fuzzy Systems*, **2002**, 10, 686-697	8.3	62
177	Exponential Synchronization of Neural Networks With Time-Varying Delays via Dynamic Intermittent Output Feedback Control. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, **2019**, 49, 612-622	7.3	61
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175	Relay Feedback **2003**,		52
174	Observer-based H infinity control for T-S fuzzy systems with time delay: delay-dependent design method. *IEEE Transactions on Systems, Man, and Cybernetics*, **2007**, 37, 1030-8		47
173	Exponential stabilization controller design for interconnected time delay systems. *Automatica*, **2008**, 44, 2600-2606	5.7	46
172	Dominant pole placement for multi-loop control systems. *Automatica*, **2002**, 38, 1213-1220	5.7	45
171	Non-interacting control design for multivariable industrial processes. *Journal of Process Control*, **2003**, 13, 253-265	3.9	44
170	Mixed H₂and passive control for singular systems with time delay via static output feedback. *Applied Mathematics and Computation*, **2017**, 293, 244-253	2.7	43

169	Synchronization in complex networks with switching topology. *Physics Letters, Section A: General, Atomic and Solid State Physics*, **2011**, 375, 3070-3074	2.3	43
168	Improved identification of continuous-time delay processes from piecewise step tests. *Journal of Process Control*, **2007**, 17, 51-57	3.9	42
167	Process frequency response estimation from relay feedback. *Control Engineering Practice*, **1997**, 5, 1293-1302	3.9	41
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165	Robust PI controller design for nonlinear systems via fuzzy modeling approach. *IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans*, **2001**, 31, 666-675		40
164	Static output feedback stabilization for fractional-order systems in T-S fuzzy models. *Neurocomputing*, **2016**, 218, 354-358	5.4	40
163	Stabilization of all-pole unstable delay processes by simple controllers. *Journal of Process Control*, **2010**, 20, 235-239	3.9	39
162	Decoupling Smith Predictor Design for Multivariable Systems with Multiple Time Delays. *Chemical Engineering Research and Design*, **2000**, 78, 565-572	5.5	39
161	A new double integral inequality and application to stability test for time-delay systems. *Applied Mathematics Letters*, **2017**, 65, 26-31	3.5	38
160	Synthesis for robust synchronization of chaotic systems under output feedback control with multiple random delays. *Chaos, Solitons and Fractals*, **2006**, 29, 1142-1146	9.3	38
159	PI/PID controller tuning via LQR approach		37
158	Distributed non-fragile filtering for T-S fuzzy systems with event-based communications. *Fuzzy Sets and Systems*, **2017**, 306, 137-152	3.7	36
157	Energy-efficient distributed control of large-scale systems: A switched system approach. *International Journal of Robust and Nonlinear Control*, **2016**, 26, 3101-3117	3.6	36
156	Relay-based estimation of multiple points on process frequency response. *Automatica*, **1997**, 33, 1753-1757	5.7	36
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146	Adaptive fuzzy finite-time command filtered tracking control for permanent magnet synchronous motors. *Neurocomputing*, **2019**, 337, 110-119	5.4	29
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144	Tuning of phase-lead compensators for exact gain and phase margins. *Automatica*, **2006**, 42, 349-352	5.7	29
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141	A technique for frequency response identification from relay feedback. *IEEE Transactions on Control Systems Technology*, **1999**, 7, 122-128	4.8	28
140	Less conservative stability conditions for fuzzy large-scale systems with time delays. *Chaos, Solitons and Fractals*, **2006**, 29, 1147-1154	9.3	26
139	Distributed fault detection for a class of large-scale systems with multiple incomplete measurements. *Journal of the Franklin Institute*, **2015**, 352, 3730-3749	4	24
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130	Automatic tuning of finite spectrum assignment controllers for delay systems. *Automatica*, **1995**, 31, 477-482	5.7	21
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115   Robust estimation of process frequency response from relay feedback. *ISA Transactions*, **1999**, 38, 3-9   5.5   15

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82	Relay feedback analysis for a class of servo plants. *Journal of Mathematical Analysis and Applications*, **2007**, 334, 28-42	1.1	7
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